



# ***STIC Search Report***

***EIC 2800***

**STIC Database Tracking Number: 101140**

**TO: Clayton Laballe  
Location: CP4- 6D33  
Art Unit : 2800  
Wednesday, August 13, 2003**

**Case Serial Number: 08/240798**

**From: Darcy Bates  
Location: EIC 2800  
CP4-9C18  
Phone: 306-5419**

**darcy.bates@uspto.gov**

## **Search Notes**

**Re: 08/240,798 US 6,076,738**

**Attached are search results.**

**No U. S. litigation was found in searches of  
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let  
me know.**

**Thanks,  
Darcy Bates**



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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us6076738/pn

\*\* SS 3: Results 1

Search statement 4

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT  
PN - US6076738 A 20000620 [US6076738]  
TI - (A) Self-clocking glyph shape codes  
PA - (A) XEROX CORP (US)  
PAO - Xerox Corporation, Stamford CT [US]  
IN - (A) BLOOMBERG DAN S (US); HECHT DAVID L (US); TOW ROBERT F (US); FLORES L PRASADAM (US)  
AP - US24079894 19940510 [1994US-0240798]  
FD - Cont. of US931554 19920818 [1992US-0931554] (Abandoned)  
Cont. of US560514 19900731 [1990US-0560514] (Abandoned)  
PR - US24079894 19940510 [1994US-0240798]  
US93155492 19920818 [1992US-0931554]  
US56051490 19900731 [1990US-0560514]  
IC - (A) G06K-019/06  
EC - G06K-007/016D  
G06K-019/06C3  
PCL - ORIGINAL (O) : 235494000; CROSS-REFERENCE (X) : 235456000  
DT - Basic  
CT - US3257545; US3654435; US3898434; US3978319; US4115806; US4286146;  
US4610025; US4630308; US4728783; US4754127; US4817171; US4905296;  
US4924078; US4980923; US5073954; US5091966; EP8600445; EP2179008;  
JP62-140554  
Mansour, M. Multi-Tiered Condensed Bar Code. IBM Technical  
Disclosure Bulletin, vol. 26, No. 2, Jul. 1983, pp. 766-767.  
STG - (A) United States patent  
AB - This invention provides self-clocking glyph shape codes for  
encoding digital data in the shapes of glyphs that are suitable  
for printing on hardcopy recording media. Advantageously, the  
glyphs are selected so that they tend not to degrade into each  
other when they are degraded and/or distorted as a result, for  
example, of being photocopied, transmitted via facsimile, and/or  
scanned-in to an electronic document processing system. Moreover,  
for at least some applications, the glyphs desirably are composed  
of printed pixel patterns containing nearly the same number of ON  
pixels and nearly the same number of OFF pixels, such that the  
code that is rendered by printing such glyphs on substantially  
uniformly spaced centers appears to have a generally uniform  
texture. In the case of codes printed at higher spatial densities,  
this texture is likely to be perceived as a generally uniform  
gray tone. Binary image processing and convolution filtering

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techniques for decoding such codes also are disclosed, but this application focuses on the codes.

UP - 2000-26

1 / 1 LGST - @LEGSTAT  
PN - US 6076738 [US6076738]  
AP - US 240798/94 19940510 [1994US-0240798]  
DT - US-P  
ACT - 19940510 US/AE-A  
APPLICATION DATA (PATENT)  
US 240798/94 19940510 [1994US-0240798]

20000620 US/A  
PATENT

UP - 2000-28

1 / 1 CRXX - @CLAIMS/RRX  
AN - 3338990  
PN - 6,076,738 A 20000620 [US6076738]  
PA - Xerox Corp  
PT - M (Mechanical)  
ACT - 20020628 REASSIGNED  
SECURITY INTEREST

Assignor: XEROX CORPORATION DATE SIGNED: 06/21/2002

Assignee: BANK ONE, NA, AS ADMINISTRATIVE AGENT ONE BANK ONE  
PLAZA, IL 1-0631 CHICAGO ILLINOIS 60670

Reel 013153/Frame 0001

Contact: ACCESS INFORMATION SERVICES, INC. JACKIE LEE 1773  
WESTERN AVENUE ALBANY, NY 12203

UP - 2003-10  
URAS- 2003-03-04

Query/Command : fam us6076738/pn

1 Patent Groups  
\*\* SS 4: Results 5

Search statement 5

Query/Command : famstate nonstop

1 / 5 PLUSPAT - @QUESTEL-ORBIT  
PN - CA2044404 A1 19920201 [CA2044404]  
STG - (A1) Application laid open  
TI - (A1) SELF-CLOCKING GLYPH SHAPE CODES  
OTI - (A1) CODES EN FORME DE GLYPHES A AUTO-SYNCHRONISATION  
PA - (A1) XEROX CORP (US)

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08/240798

IN - (A1) FLORES L PRASADAM (US); HECHT DAVID L (US); BLOOMBERG DAN S  
(US); TOW ROBERT F (US)  
IC - (A1) G06F-003/12 G06F-015/62  
PN2 - CA2044404 C 19980623 [CA2044404]  
STG2- (C) Patent  
TI2 - (C) SELF-CLOCKING GLYPH SHAPE CODES  
OTI2- (C) CODES EN FORME DE GLYPHES A AUTO-SYNCHRONISATION  
PA2 - (C) XEROX CORP (US)  
IN2 - (C) FLORES L PRASADAM (US); HECHT DAVID L (US); BLOOMBERG DAN S  
(US); TOW ROBERT F (US)  
IC2 - (C) G06F-003/12  
LA - ENGLISH (ENG)  
AP - CA2044404 19910612 [1991CA-2044404]  
PR - US56051490 19900731 [1990US-0560514]

2 / 5 PLUSPAT - @QUESTEL-ORBIT  
PN - DE69130786 D1 19990304 [DE69130786]  
STG - (D1) Granted EP number in bulletin  
OTI - (D1) Verfahren zum Kodieren digitaler Informationen  
PA - (D1) XEROX CORP (US)  
IN - (D1) BLOOMBERG DAN S (US); HECHT DAVID L (US); TOW ROBERT F  
(US); FLORES L PRASADAM (US)  
IC - (D1) G06K-001/12  
PN2 - DE69130786 T2 19990610 [DE69130786]  
STG2- (T2) Trans. Of EP patent  
OTI2- (T2) Verfahren zum Kodieren digitaler Informationen  
PA2 - (T2) XEROX CORP (US)  
IN2 - (T2) BLOOMBERG DAN S (US); HECHT DAVID L (US); TOW ROBERT F  
(US); FLORES L PRASADAM (US)  
IC2 - (T2) G06K-001/12  
AP - DE69130786 19910730 [1991DE-6030786]  
PR - US56051490 19900731 [1990US-0560514]

1 / 2 LEGALI - @LEGSTAT  
PN - DE 69130786 [DE69130786]  
DT - DE-P  
ACTE- 19990304 DE/REF-P  
CORRESPONDS TO  
(EP 469864 19990304 [EP-469864])

19990610 DE/8373  
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED

20000427 DE/8364 [+]  
NO OPPOSITION DURING TERM OF OPPOSITION  
UP - 2000-17

2 / 2 LEGALI - @LEGSTAT  
PN - EP 469864 [EP-469864]  
AP - EP 91306987/91 19910730 [1991EP-0306987]  
DT - EP-P  
ACTE- 19910730 EP/AE-A  
EP-APPLICATION  
EP 91306987/91 19910730 [1991EP-0306987]

19920205 EP/AK-A2 [+]  
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH

REPORT:  
DE FR GB

19920205 EP/A2 [+]  
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

19920422 EP/AK-A3 [+]  
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:  
DE FR GB

19920422 EP/A3 [+]  
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

19921125 EP/17P [+]  
REQUEST FOR EXAMINATION FILED  
920929

19960221 EP/17Q [+]  
FIRST EXAMINATION REPORT  
960110

19990120 EP/AK-B1 [+]  
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:  
DE FR GB

19990120 EP/B1 [+]  
PATENT SPECIFICATION

19990304 EP/REF-P  
CORRESPONDS TO:  
(DE 69130786 19990304 [DE69130786])

19990514 EP/ET [+]  
FR: TRANSLATION FILED

20000112 EP/26N [+]  
NO OPPOSITION FILED

20000322 EP/25 [-]  
LAPSED IN A CONTRACTING STATE  
<DE 99.04.21>

20020101 EP/REG; GB/IF02 [+]  
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
<GB>

UP - 2002-17

3 / 5 PLUSPAT - @QUESTEL-ORBIT - image  
PN - EP0469864 A2 19920205 [EP-469864]  
STG - (A2) Pub. Of applic. Without search report  
TI - (A2) Method of encoding digital information.  
OTI - (A2) Verfahren zum Kodieren digitaler Informationen.  
(A2) Méthode de codage d'informations digitales.  
PA - (A2) XEROX CORP (US)  
IN - (A2) FLORES L PRASADAM (US); HECHT DAVID L (US); BLOOMBERG DAN S  
(US); TOW ROBERT F (US)  
IC - (A2) G06K-001/12  
PN2 - EP0469864 A3 19920422 [EP-469864]  
STG2 - (A3) Publi. Of search report  
TI2 - (A3) METHOD OF ENCODING DIGITAL INFORMATION  
PN3 - EP0469864 B1 19990120 [EP-469864]

STG3- (B1) Patent  
TI3 - (B1) Method of encoding digital information  
OTI3- (B1) Verfahren zum Kodieren digitaler Informationen  
(B1) Méthode de codage d'informations digitales  
PA3 - (B1) XEROX CORP (US)  
IN3 - (B1) FLORES L PRASADAM (US); HECHT DAVID L (US); BLOOMBERG DAN S  
(US); TOW ROBERT F (US)  
IC3 - (B1) G06K-001/12  
LA - ENGLISH (ENG)  
AP - EP91306987 19910730 [1991EP-0306987]  
PR - US56051490 19900731 [1990US-0560514]  
EC - G06K-007/016D  
G06K-009/18  
G06K-019/06C3  
DS - DE FR GB  
DT - Basic

1 / 2 LEGALI - @LEGSTAT  
PN - DE 69130786 [DE69130786]  
DT - DE-P  
ACTE- 19990304 DE/REF-P  
CORRESPONDS TO  
(EP 469864 19990304 [EP-469864])

19990610 DE/8373  
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED

20000427 DE/8364 [+]  
NO OPPOSITION DURING TERM OF OPPOSITION

UP - 2000-17

2 / 2 LEGALI - @LEGSTAT  
PN - EP 469864 [EP-469864]  
AP - EP 91306987/91 19910730 [1991EP-0306987]  
DT - EP-P  
ACTE- 19910730 EP/AE-A  
EP-APPLICATION  
EP 91306987/91 19910730 [1991EP-0306987]

19920205 EP/AK-A2 [+]  
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT:  
DE FR GB

19920205 EP/A2 [+]  
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

19920422 EP/AK-A3 [+]  
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:  
DE FR GB

19920422 EP/A3 [+]  
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

19921125 EP/17P [+]  
REQUEST FOR EXAMINATION FILED  
920929

19960221 EP/17Q [+]

FIRST EXAMINATION REPORT  
960110

19990120 EP/AK-B1 [+]  
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:  
DE FR GB

19990120 EP/B1 [+]  
PATENT SPECIFICATION

19990304 EP/REF-P  
CORRESPONDS TO:  
(DE 69130786 19990304 [DE69130786])

19990514 EP/ET [+]  
FR: TRANSLATION FILED

20000112 EP/26N [+]  
NO OPPOSITION FILED

20000322 EP/25 [-]  
LAPSED IN A CONTRACTING STATE  
<DE 99.04.21>

20020101 EP/REG; GB/IF02 [+]  
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
<GB>

UP - 2002-17

4 / 5 PLUSPAT - @QUESTEL-ORBIT - image  
PN - JP4233683 A 19920821 [JP04233683]  
STG - (A) Doc. Laid open to publ. Inspec.  
TI - (A) SLEF-LOCKING SYMBOL-SHAPE CODE  
PA - (A) XEROX CORP  
PAO - (A) XEROX CORP  
IN - (A) DAN ESU BURUUMUBAAGU; DEBITSUDO ERU HEKUTO; ROBAATO EFU TOU;  
ERU PURASADAMU FUROORISU  
INO - (A) BLOOMBERG DAN S; HECHT DAVID L; TOW ROBERT F; FLORES L  
PRASADAM  
IC - (A) G06K-019/00  
PN2 - JP7066429 B 19950719 [JP95066429]  
STG2- (B) Publd. Examined patent applic.  
PN3 - JP2036555 C 19960328 [JP2036555]  
STG3- (C) Granted patent from 1000001 onwards  
IC3 - (C) G06K-019/00  
AP - JP18666391 19910725 [1991JP-0186663]  
PR - US56051490 19900731 [1990US-0560514]

5 / 5 PLUSPAT - @QUESTEL-ORBIT  
PN - US6076738 A 20000620 [US6076738]  
STG - (A) United States patent  
TI - (A) Self-clocking glyph shape codes  
PA - (A) XEROX CORP (US)  
PAO - Xerox Corporation, Stamford CT [US]  
IN - (A) BLOOMBERG DAN S (US); HECHT DAVID L (US); TOW ROBERT F  
(US); FLORES L PRASADAM (US)  
IC - (A) G06K-019/06  
AP - US24079894 19940510 [1994US-0240798]  
PR - US24079894 19940510 [1994US-0240798]

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US 6,076,738

08/240798

US93155492 19920818 [1992US-0931554]  
US56051490 19900731 [1990US-0560514]  
**EC** - G06K-007/016D  
G06K-019/06C3  
**PCL** - ORIGINAL (O) : 235494000; CROSS-REFERENCE (X) : 235456000  
**DT** - Basic  
**UP** - 2000-26

1 / 1 LEGALI - ©LEGSTAT  
**PN** - US 6076738 [US6076738]  
**AP** - US 240798/94 19940510 [1994US-0240798]  
**DT** - US-P  
**ACTE**- 19940510 US/AE-A  
APPLICATION DATA (PATENT)  
US 240798/94 19940510 [1994US-0240798]  
  
20000620 US/A  
PATENT  
**UP** - 2000-28